APRIL/MAY 2024

FCA11/FCS11/FDA11/FAI11/CCA11/ CCS11 — PROGRAMMING IN C

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define String constants.
2. Differentiate between break and continue statements.
3. Write the format specification for printing an integer number.
4. Draw a flow chart for Entry Controlled Loop.
5. Write a general form of a Multi-dimensional Array.
6. How to declare a String Variable?
7. Give an example to define a structure.
8. Distinguish between structure and union.
9. How to find a square root of a number?
10. How to you convert 0.75 to binary?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Illustrate the structure of a 'C' program.

Or

(b) Explain the types of Tokens with examples.

12. (a) Write short notes on Formatted I/O.

Or

(b) Explicate the branching process of Switch Statement.

13. (a) How to declare and initialise an one-dimensional array? Explain with an example.

Or

(b) Write a 'C' program to copy one string into another and count the number of characters copied.

14. (a) Explain the concept of Union in 'C'.

Or

(b) How to manage Error Handling during I/O operations? Explain.

15. (a) Write a program to find a factorial of N numbers.

Or

(b) Write a program to find the sum of even numbers between 1 to 100.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss various types of operators available in 'C' with suitable example.

17. Illustrate any two Decision Making and looping statements in 'C'.

18. Exemplify the functions with arguments but no return values.

19. Discuss on array of structures with an example.

20. Write a 'C' program for reversing the digits of an integer.

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